

Overview

Noble Consultants, Inc. (NCI) provides state of the art riverine and wetland restoration services, including pre-project, construction support, post-project, and monitoring activities. NCI uses Terrestrial LiDAR, RTK GPS, and Total Station survey equipment to geo-reference all field data for quick and hassle free importing into GIS and CAD software. Compared with traditional field survey techniques, Terrestrial LiDAR offers the advantage of being a remote sensing technology that does not require direct physical measurements for limited access areas, rapid data collection, and monitoring of both physical and biological features.



LOWER SANTA YNEZ BANK STABILIZATION PROJECT
(CDFG) Santa Barbara County, California

Pre-Project Activities

- Planning & Permits
- Site Surveys
- Feature Inventories
- Survey Control Establishment
- High Res. GIS Digital Terrain Models
- Hydrology & Hydraulics
- Engineering Analyses
- Adaptive Management Strategies

Construction Support

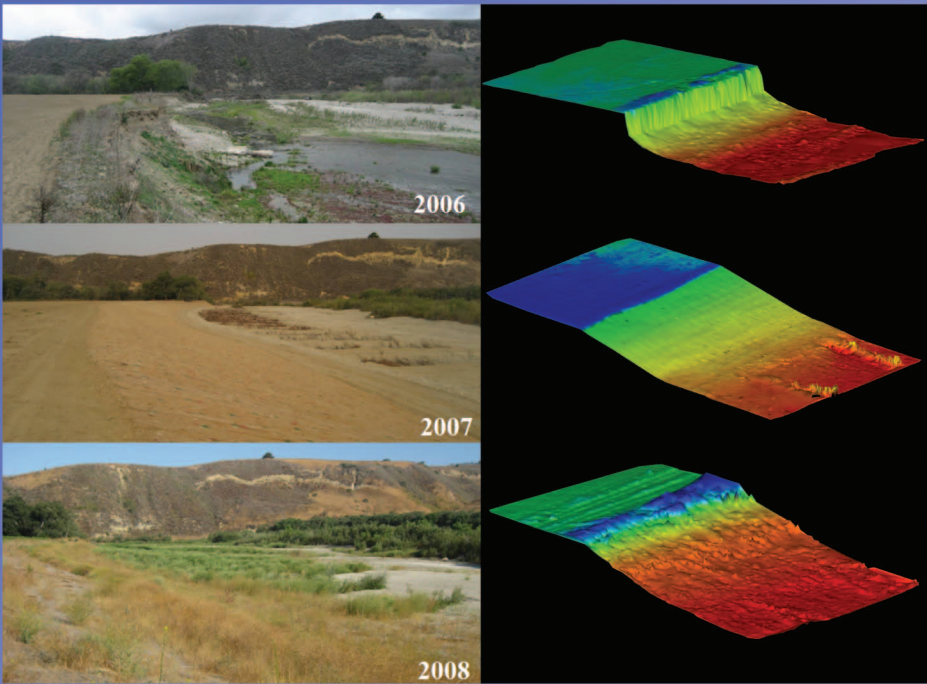
- Plans, Specifications, Estimates
- SWPPP Preparation
- Construction Inspection
- As-Built Surveys
- Implementation Monitoring
- Feature Inventories

Post-Project Activities

- Physical Monitoring Protocols
- Adaptive Management Implementation
- Post-Project Recurring Surveys
- Effectiveness Monitoring
- Validation Monitoring

Monitoring Activities

- In-Stream Channel Mining
- Channel/Bank Erosion & Scour
- Sediment Transport Quantities
- Long-Term Bank Stability
- Channel Migration Monitoring
- Vegetation Growth/Survival Monitoring



Bank Stabilization

Dam Removal

Wetland Monitoring

Vegetation Monitoring